| Index of | Claims |
|----------|--------|
| | |

| Application No. | Applicant(s) | |
|----------------------|------------------|--|
| 10/605,444 | COOLBAUGH ET AL. | |
| Examiner | Art Unit | |
| Victor A Mandala Jr. | 2826 | |

| √ | Rejected | |
|---|----------|--|
| = | Allowed | |

| 2 | (Through numeral) Cancelled |
|---|--------------------------------|
| ÷ | Restricted |

| N | Non-Elected |
|---|--------------|
| _ | Interference |

| Α | Appeal |
|---|----------|
| 0 | Objected |

| | | | _ | | | | • | | | | |
|--------------|--|----------------|--------------|----------|--------------|--|--------------|--------------|--------------|----------|---|
| Cla | im | Date | | | | | | | | | |
| Final | Original | 3/15/04 | | | | | | | | | |
| | 1 | + | \vdash | _ | | | | | | | |
| | 1 2 3 4 5 6 | + | | | | | | _ | | | |
| _ | 3 | + | _ | | | | | | | | |
| | 4 | + | | | | | | | | | |
| | 5 | + | | | | | | | | | |
| | 6, | + | | | | | | | | | |
| | | + | т. | | | | | | | | |
| | 8 G | + | L | _ | <u></u> | | | | | | |
| | 9 | + | _ | _ | | | | | _ | _ | |
| | 10 | + | _ | _ | | | | _ | _ | | |
| | 11 | + | <u> </u> | | | L. | | <u> </u> | _ | _ | |
| \vdash | 11 12 13 14 15 16 17 18 19 20 | + | _ | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | - | | |
| | 13 | + | | _ | \vdash | | | <u> </u> | - | | - |
| | 15 | + | | _ | ┝ | - | - | <u> </u> | | | |
| | 16 | + | | | ┝ | | | ├ | | _ | |
| | 17 | + | | | - | H | \vdash | ├─ | - | | |
| <u> </u> | 18 | + | | | \vdash | \vdash | | - | H | | |
| | 19 | + | - | | | | | ├─ | - | _ | |
| - | 20 | + | | | | | | <u> </u> | <u> </u> | | |
| | 21 | + | | | T | H | | ┢ | - | _ | |
| - | 21 22 | + | - | | | | | 一 | _ | | İ |
| | 23 | + | | | | Ė | | | | | 1 |
| | 24 | + | | | | | | | | | |
| | 24 25 26 27 28 | + | | | | | | | | | |
| | 26 | + | | | | | | | | | |
| | .27 | + | | | <u> </u> | | | | | | |
| | 28 | + | | | _ | | | _ | <u> </u> | | |
| | 29 | + | | | <u> </u> | | _ | <u> </u> | _ | <u> </u> | |
| | 30 31 32 | + | _ | | L | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | |
| <u> </u> | 31 | | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | | | _ | |
| - | 33 | ├ | | | - | | - | \vdash | - | - | l |
| | 34 | \vdash | \vdash | | - | - | | - | - | - | l |
| | 35 | | | | \vdash | | | \vdash | \vdash | \vdash | |
| | 36 | | | | ╁ | | \vdash | ┢ | _ | - | ١ |
| | 37 | - | | | \vdash | | \vdash | \vdash | | \vdash | ĺ |
| | 38 | | | | <u> </u> | | | | | | |
| | 39 | | | | | | | | | | ١ |
| | 40 | | | | | | | | | | |
| | 41 | | | | | | | | | | |
| | 42 | _ | | | | | | | | | 1 |
| <u> </u> | 43 | | _ | _ | | _ | <u> </u> | | <u> </u> | <u> </u> | |
| <u> </u> | 44 | _ | _ | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | |
| | 45 | _ | <u> </u> | | <u> </u> | | - | <u> </u> | \vdash | | |
| | 46 | <u> </u> | | <u> </u> | <u> </u> | H | <u> </u> | | | <u> </u> | |
| | 47 | - | - | | | H | - | - | | <u> </u> | |
| | 48 | - | | - | - | | - | - | ├ | - | |
| | 49 50 | \vdash | - | | | | | \vdash | \vdash | <u> </u> | |
| L | L JU | L . | L_ | l | 1 | | | | | l | 1 |

| Cla | im | Γ | | | | Date | | | | |
|----------|----------------------|--------------|----------|----------------|--------------|--------------|--------------|---------------|----------|--|
| | | | | | | | | | | П |
| Final | Original | | | | | | | | | |
| | 51 | | | | | | | | | |
| | 52 53 | | | | | | | | | |
| | 53 | | | | | | | | | |
| | 54 | | | | | | | | | |
| | 55 | | | | | | | | | |
| | 56 | | | | | | | | | |
| | 57 | | | | | | | | | |
| a | 58 | | | | | | | | | |
| | 59 | _ | | L | | | | | | |
| | 60 | | | | | | _ | | | |
| | 61 | _ | _ | | | _ | | | | |
| | 62 | _ | | | | | _ | | | |
| | 63 | | | | | | _ | | | |
| | 64 | | | | | | | | | |
| | 65 | _ | <u> </u> | | | | _ | | | |
| | 66 | _ | <u> </u> | <u> </u> | <u> </u> | | | | | Н |
| \vdash | 67 | _ | _ | _ | | _ | | | | |
| | 68 | <u> </u> | | <u> </u> | | <u> </u> | _ | | | - |
| | 69 | _ | | <u> </u> | \vdash | | | - | _ | |
| | 70 71 | <u> </u> | | - | | \vdash | | | ┝ | \vdash |
| \vdash | 72 | | _ | <u> </u> | | | | \vdash | \vdash | H |
| | 72 73 74 75 | | | \vdash | | <u> </u> | | <u> </u> | | |
| - | 74 | <u> </u> | _ | | \vdash | | | | \vdash | \vdash |
| | 75 | <u> </u> | - | - | | | \vdash | _ | \vdash | \vdash |
| | 76 | | | H | | | \vdash | \vdash | \vdash | |
| | 77 | | | _ | | | \vdash | | \vdash | |
| | 78 | | _ | _ | _ | | | | | |
| | 78 79 | | | | | | | | | |
| | 80 | | | | | | | | | |
| | 81 | | | | | | | | | |
| | 82 | | | | | | | | | |
| | 83 | | | | | | | | | |
| , | 84 | | | | | | | | | |
| | 85 | | _ | | | | <u> </u> | L | L | |
| <u> </u> | 86 | _ | | <u> </u> | | <u> </u> | L | | | |
| | 87 | | | <u> </u> | | _ | | | L_ | |
| | 88 | <u> </u> | <u> </u> | _ | _ | | | | <u> </u> | |
| <u> </u> | 89 | <u> </u> | <u> </u> | | | | <u> </u> | <u> </u> | L | <u> </u> |
| | 90 | <u> </u> | <u> </u> | _ | _ | <u> </u> | <u> </u> | _ | <u> </u> | _ |
| <u> </u> | 91 | _ | <u> </u> | <u> </u> | <u> </u> | - | <u> </u> | - | - | |
| \vdash | 92 | <u> </u> | - | ├— | <u> </u> | | | <u> </u> | \vdash | |
| <u> </u> | 93 94 | - | | | - | - | | - | - | |
| \vdash | 95 | - | | ├─ | \vdash | - | \vdash | \vdash | \vdash | \vdash |
| | 96 | | | | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash |
| \vdash | 97 | \vdash | \vdash | \vdash | - | | ├ | - | - | - |
| - | 98 | \vdash | \vdash | - | \vdash | \vdash | \vdash | | - | \vdash |
| | 99 | \vdash | ┢ | ├ | \vdash | - | ┢ | - | - | - |
| | 100 | - | - | | | - | - | - | \vdash | - |
| نــــا | 100 | | L | L | Ц., | | <u> </u> | Ц_ | Ц_ | Ц |

| Cla | aim | Date | | | | | | | | |
|----------|--|---|--|---|--------------|--------------|--------------|----------|--------------|----------------|
| | Original | | | | | | | | | |
| a | ina | | | | | | | | | |
| Final | rig | | | | | | | | İ | |
| _ | 0 | | | | | | | | | |
| | 101 | | _ | \vdash | \vdash | | | _ | | \neg |
| | 101 102 | | _ | _ | _ | | | - | - | \dashv |
| | 103 | _ | | | | | | | | |
| | 103 104 105 106 107 108 | | _ | _ | | | | | | ᅱ |
| | 105 | | | | | | | | | |
| | 106 | | | _ | | | _ | | | \dashv |
| | 100 | | _ | - | - | | | | | \dashv |
| | 107 | | | | \vdash | | _ | | _ | \dashv |
| | 100 | | | _ | _ | _ | | | | \vdash |
| | 109 | | _ | | - | | | | | |
| | 110 | _ | _ | - | _ | | _ | | | |
| | 111 | | | _ | | | | _ | | |
| | 112 | | | <u> </u> | | | | <u> </u> | <u> </u> | \sqsubseteq |
| | 113 | L | _ | | <u> </u> | <u> </u> | | <u> </u> | | \Box |
| | 114 | L | | <u> </u> | | <u> </u> | L. | _ | _ | Щ |
| | 115 | $ldsymbol{le}}}}}}$ | | $oxed{oxed}$ | L | L_ | L | | _ | |
| | 116 | | | $ldsymbol{ld}}}}}}$ | | <u> </u> | <u> </u> | <u> </u> | | |
| | 110 111 112 113 114 115 116 117 | L | | <u> </u> | | | | | | |
| | 118 | | | | L | | | | | |
| | 119 | | | | | | | | | |
| | 120 | | | | | | | | | |
| | 121 | | | | | | | | | |
| | 122 | | | | Γ | | | | | |
| | 123 | | | | | | | | | |
| | 118 119 120 121 122 123 124 125 126 127 128 129 | | | | | | | | | |
| | 125 | | | | | | | | | |
| | 126 | | | | | | | | | |
| | 127 | | | \vdash | _ | | | | | |
| | 128 | | _ | . – | | | | \vdash | | |
| | 129 | - | <u> </u> | | | | | | | |
| | 130 131 132 133 | | | | \vdash | \vdash | \vdash | \vdash | \vdash | \neg |
| | 131 | \vdash | | - | \vdash | _ | - | | - | |
| | 132 | | | | \vdash | | \vdash | \vdash | \vdash | Н |
| | 133 | - | - | | - | - | - | - | \vdash | \dashv |
| | 134 | \vdash | Ι | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash |
| | 135 | \vdash | H | \vdash | \vdash | \vdash | - | - | | |
| | | ├ | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | | \vdash |
| | 136 | ├ | | - | - | \vdash | \vdash | \vdash | \vdash | Н |
| | 137 138 | H | Η- | \vdash | \vdash | ⊢ | \vdash | \vdash | \vdash | Н |
| | 130 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | $\vdash\vdash$ |
| | 139 | ⊢ | \vdash | ⊢ | \vdash | \vdash | \vdash | \vdash | \vdash | Н |
| | 140 | | | <u> </u> | | | | | | - |
| | 141 | - | | | - | <u> </u> | - | - | \vdash | Н |
| <u> </u> | 142 | ऻ_ | \vdash | <u> </u> | <u> </u> | <u> </u> | ├ | <u> </u> | \vdash | Ш |
| | 143 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ├ | <u> </u> | ├ | Щ |
| <u> </u> | 144 | <u> </u> | L | _ | _ | _ | <u> </u> | <u> </u> | L_ | Ш |
| | 145 | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _ | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | Ш |
| | 146 | | | | | | | | | |
| | 147 | _ | | | L | L | | L | | |
| | 148 | \Box | | | L | | L | L | L | |
| | 149 | | Ĺ | | | | | | | |
| | 150 | | | | | | | | | |
| | | | | | | _ | | | | |